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ROHM AND HAAS COMPANY
CORPORATE HEALTH AND SAFETY
INDEPENDENCE MALL WEST
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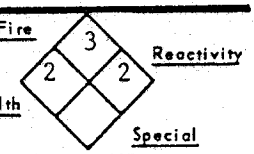
EMERGENCY PHONE
215-592-3000 (ROHM AND HAAS)
800-424-9300 (CHEMTREC)

HAZARD RATING:
4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT
* = CHRONIC HEALTH HAZARD - SEE SECTION IV



LIST 8

MATERIAL SAFETY DATA SHEET

MATERIAL	CODE	FREIGHT CLASSIFICATION
METHYL METHACRYLATE WITH 10 PPM MEHQ	6-5486	METHYL METHACRYLATE MONOMER, FLAMMABLE LIQUID

FORMULA	CHEMICAL NAME AND SYNONYMS
(C5-H8-O2)	Methacrylic ester (Inhibited)

I. HAZARDOUS INFORMATION

SUMMARY	WEIGHT %	TWA/TLV
Methyl methacrylate (moderate health hazard) Inhibited with 10 ppm MEHQ	100	100 ppm (OSHA)

II. PHYSICAL DATA

APPEARANCE - ODOR - PH.			VISCOSITY
Water-clear, colorless mobile liquid; acrid fruity acrylic odor			No data
MELTING OR FREEZING POINT	**BOILING POINT**	**VAPOR PRESSURE (MM HG)**	**VAPOR DENSITY (AIR = 1)**
-54F (-48C)	214F (101C)	29 mm Hg at 68F	3.5 (Heavier than air)
SOLUBILITY IN WATER	**PERCENT VOLATILE (BY WT.)**	**SPECIFIC GRAVITY (WATER = 1)**	**EVAPORATION RATE (BUTYL ACETATE = 1)**
Moderate	100	0.94	Slightly faster than BA

III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	AUTO IGNITION TEMPERATURE	LOWER EXPLOSION LIMIT	UPPER EXPLOSION LIMIT
49F Setaflash CC	815F (435C)	2.12 %	12.5 %

EXTINGUISHING MEDIA
[X] FOAM [ ] "ALCOHOL" FOAM [X] CO_2 [X] DRY CHEMICAL [X] WATER FOG [ ] OTHER

SPECIAL FIRE FIGHTING PROCEDURES
Wear MESA/NIOSH approved self-contained breathing apparatus (Schedule 13).
Fight fire from a safe distance or protected area.
Use cold water spray to cool fire-exposed containers of Methyl Methacrylate.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Vapors may travel to source of ignition and flash back. Heat can induce polymerization with rapid release of energy which may rupture containers explosively.

IV. HEALTH HAZARD DATA

RECOMMENDED ROHM AND HAAS HEALTH GUIDE TWA (MAXIMUM TIME WEIGHTED AVERAGE CONCENTRATION FOR AN 8-HOUR WORK PERIOD)
50 ppm

EFFECTS OF OVEREXPOSURE
High vapor concentration can cause irritation to eyes, skin and respiratory system. Extended exposure can lead to headache, nausea, drowsiness and unconsciousness. Direct liquid contact with eyes can cause severe irritation and possible corneal damage. Prolonged skin contact with liquid can cause irritation and skin rash, and possible allergic skin reaction.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION
Move subject to fresh air. Administer oxygen or give artificial respiration as required.

EYE AND SKIN CONTACT
Flush eyes promptly with large amounts of water for 15 minutes and consult a physician. Wash skin with soap and water.

INGESTION
If conscious, induce vomiting by giving two glasses of water to drink and sticking finger in throat. Call a physician.

V. REACTIVITY DATA

STABILITY	CONDITIONS TO AVOID
[x] STABLE [ ] UNSTABLE	Heat and ignition sources.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition may yield oxides of carbon and acrid fumes.

HAZARDOUS POLYMERIZATION	CONDITIONS TO AVOID
[x] MAY OCCUR [ ] WILL NOT OCCUR	Elevated temperatures; inert atmosphere

INCOMPATIBILITY (MATERIALS TO AVOID)

[ ] WATER [x] OTHER Reducing and oxidizing agents

VI. SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Evacuate the area, eliminate ignition sources, wear MESA/NIOSH approved respirator suitable for vapor concentration encountered. Also wear protective clothing and overshoes. Dike and absorb spill with inert material (dry sand, etc.) and transfer to suitable containers for disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Wash clothing before reuse. Keep spill out of municipal sewers and open bodies of water.

WASTE DISPOSAL METHODS

Incinerate liquid in approved equipment. Landfill contaminated diking material according to current local, state and federal regulations.

VII. SPECIAL PROTECTION INFORMATION

TYPE VENTILATION

Explosion-proof exhaust ventilation at point of contaminant release.

RESPIRATORY PROTECTION

Wear suitable MESA/NIOSH approved respirator where exposure limits are exceeded.

PROTECTIVE GLOVES	EYE PROTECTION
Impervious	Splashproof goggles (ANSI Z87.1, 1968)

OTHER PROTECTIVE EQUIPMENT

Protective clothing and overshoes, eyewash facility and emergency shower

VIII. STORAGE AND LABELING

STORAGE TEMPERATURE MAX.	MIN.	INDOOR	HEATED	REFRIGERATED	OUTDOOR
		YES	NO	NO	YES

COMMENTS

Storage of flammable liquids should be limited to approved areas equipped with overhead sprinklers. Store at ambient temperatures out of direct sunlight. Allow blanket of air over liquid in storage containers. Ground all containers when pouring or transferring. It is advisable to use material within 6 months.

IX. TOXICITY INFORMATION

Acute Oral LD-50 (rat) = 7900 mg/kg
Acute Inhalation LC-50 (rat) = 12,500 to 16,500 ppm for 0.5 hours
Acute Dermal LD-50 (rabbit) = Greater than 35,500 mg/kg
Human Patch Test: About 1/3 of 50 subjects developed a mild erythema at the site of application. 20% of subjects showed evidence of sensitivity when tested 10 days later.

X. MISCELLANEOUS INFORMATION

NA = NOT APPLICABLE
C = CEILING VALUE

CODE 6-5486

DATE OF ISSUE	SUPERSEDES
5/79	NEW

PREPARED BY D.R. Hoffer